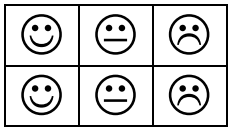
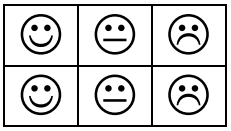
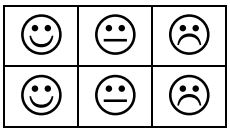
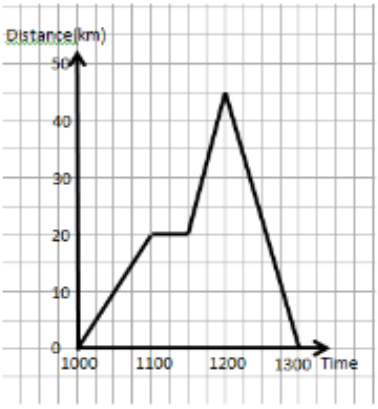
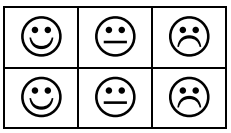
DISTANCE, SPEED AND TIME **A:** I can use the formula to calculate distance, speed or time when two of the variables are given (using the correct units of measure)		How long does it take to travel 100 miles at a speed of 40mph? A car travels for 350km in 6 hours. What is its average speed? How far can you walk if you walk at 3.2mph for one and a half hours?
B: I can work with decimal fractions of hours		Calculate the distance travelled in 3 hours and 12 minutes at a speed of 50mph. How long would it take to travel 35km at speed of 20km/h?
C: I can work with distance-time graphs		Describe what is happening in the distance-time graph which shows a journey.  Which part of the journey was the fastest? What was the average speed for the whole journey?
D: I can solve problems involving distance, speed and time		In one orbit of the Sun the planet Mercury travels approximately 3.48×10^8 kilometres. This orbit takes 88 days. Calculate the speed of Mercury, in kilometres per hour, as it travels round the Sun. Give your answer in Scientific Notation.